

**HAMILTON COUNTY ENGINEER'S**

**SCOPE OF SERVICE**

**ENGLISH UNITS**

1. **PROJECT IDENTIFICATION:** DRY FORK ROAD – DRAINAGE IMPROVEMENTS  
**PROJECT No:** 500030  
**Road No:** 14
2. **PROJECT LIMITS:** Improvements in the vicinity of the first curve in Dry Fork Road east of Kilby Road  
**Length:** See Additional Information Sheet
3. **AGREEMENT BETWEEN PROFESSIONAL ENGINEER AND:**  
**State** \_\_\_\_\_ **County** XX **City** \_\_\_\_\_ **Other** \_\_\_\_\_
4. **METHOD OF FINANCING:**  
**Engineering:** County Road and Bridge funds  
**Construction:** Undecided at this time
5. **WORK PHASES INCLUDED IN AGREEMENT:**  
**PHASE A Plan Submission:** Line, grade and typical sections on Base Sheets to be used in final plans. Critical cross sections are to be plotted. Potential design problem areas are to be identified.  
  
**PHASE B Plan Submission:** To conform to Phase A recommendations. Final review submission is to include Special General Notes and Specifications and quantities.
6. **PLAN SCALES:**  
**PLAN:** 1" = 20' Min.  
**PROFILE:** Hor. 1" = 20' Min. Vert. 1" = 5' Min.  
**CROSS SECTIONS:** Hor. 1" = 5' Min. Vert. 1" = 5' Min.
7. **JOURNALIZED SPEED LIMIT:**  
**Road Name:** Dry Fork Road – 40 MPH

**8. TYPICAL SECTIONS/NUMBER OF LANES:**

Two lanes — See Additional Information Sheet

Curbs: YES \_\_\_\_\_ NO \_\_\_\_\_ Report to Recommend XX

Type: If curbs required, Type 6 Concrete Vertical curbs.

Shoulders/Berms: YES \_\_\_\_\_ NO \_\_\_\_\_ Report to Recommend \_\_\_\_\_

Type: \_\_\_\_\_

Safety Grading: YES \_\_\_\_\_ NO XX Partial \_\_\_\_\_

Clear Zone Grading: YES \_\_\_\_\_ NO XX

Guardrail: YES \_\_\_\_\_ NO XX Type \_\_\_\_\_

Median: YES \_\_\_\_\_ NO XX

Fencing: YES \_\_\_\_\_ NO XX

Lighting: YES \_\_\_\_\_ NO XX

**9. ALIGNMENT:**

Existing alignment is to be basically followed. The alignment through the curve is to be modified so as to increase the radius of curvature for the centerline as much as possible.

**10. PROFILE:**

Existing profile is to be followed as much as possible. Slight adjustments in profile may be required to establish/maintain drainage patterns.

**11. SIGNING:** YES \_\_\_\_\_ NO XX

Phase A: YES \_\_\_\_\_ NO XX

Phase B: YES \_\_\_\_\_ NO XX

**12. SIGNALS:** YES \_\_\_\_\_ NO XX

Phase A: Recommendation \_\_\_\_\_ Prelim Plan \_\_\_\_\_

Phase B: YES \_\_\_\_\_ NO \_\_\_\_\_

Warrants: YES \_\_\_\_\_ NO \_\_\_\_\_

**13. STRIPING:** YES \_\_\_\_\_ NO XX

Phase A: Recommendation \_\_\_\_\_ Prelim Plan \_\_\_\_\_

Phase B: Final Plan \_\_\_\_\_ Type \_\_\_\_\_

**14. DELINEATION:**

Delineators: YES \_\_\_\_\_ NO XX \_\_\_\_\_

RPMs: YES \_\_\_\_\_ NO XX \_\_\_\_\_

**15. DRAINAGE:**

Drainage Criteria: State \_\_\_\_\_ County XX \_\_\_\_\_ Public Works \_\_\_\_\_

Other \_\_\_\_\_

Phase A Preliminary Plan: YES \_\_\_\_\_ NO \_\_\_\_\_

Existing: Surface XX \_\_\_\_\_ Closed \_\_\_\_\_

Proposed: Surface XX \_\_\_\_\_ Closed XX \_\_\_\_\_

Storm water Pollution Prevention Plan: YES \_\_\_\_\_ NO XX \_\_\_\_\_

Flood Plain Study Required: YES XX \_\_\_\_\_ NO \_\_\_\_\_

Channel Change Study Required: YES XX \_\_\_\_\_ NO \_\_\_\_\_

Remarks: Professional Engineer is to determine if additional runoff will cause problems in immediate downstream areas. This will mean in the first section of existing pipe to which a connection is made OR in the open flow areas to the first major culvert.

**16. BRIDGE CROSSINGS:**

Number of Bridges: None \_\_\_\_\_

Cross Roads: \_\_\_\_\_

Streams: \_\_\_\_\_

Supplemental Site Plan for Streams: YES \_\_\_\_\_ NO \_\_\_\_\_

Culverts: YES \_\_\_\_\_ NO \_\_\_\_\_

Alternates Required: YES \_\_\_\_\_ NO \_\_\_\_\_

Railroads: \_\_\_\_\_

Railroad Location Plan: YES \_\_\_\_\_ NO \_\_\_\_\_

Railroad Site Plan: YES \_\_\_\_\_ NO \_\_\_\_\_

Pedestrian: \_\_\_\_\_

Mass Transit: \_\_\_\_\_

**17. MISCELLANEOUS DESIGN CONSIDERATIONS:**

Bikeways: YES \_\_\_\_\_ NO XX \_\_\_\_\_

Railroads: YES \_\_\_\_\_ NO XX \_\_\_\_\_

Mass Transit: YES \_\_\_\_\_ NO XX \_\_\_\_\_

Service Roads: YES \_\_\_\_\_ NO XX \_\_\_\_\_

**18. RETAINING WALLS:**

Number of Retaining Walls: \_\_\_\_\_

Type(s) of Retaining Walls: \_\_\_\_\_

Phase A: YES \_\_\_\_\_ NO \_\_\_\_\_ Justification \_\_\_\_\_

Phase B: YES \_\_\_\_\_ NO \_\_\_\_\_ Justification \_\_\_\_\_

Remarks: \_\_\_\_\_

**19. MAINTENANCE OF TRAFFIC:**

Maintenance of Vehicular Traffic: YES \_\_\_\_\_ NO XX

Temporary Road(s): YES \_\_\_\_\_ NO XX Phase A to Recommend \_\_\_\_\_

Temporary Road Plans & Notes by: County \_\_\_\_\_ Professional Engineer \_\_\_\_\_

Detour Plan Prepared by: County XX Professional Engineer \_\_\_\_\_

Remarks: Construction of drainage improvements to be completed under traffic. Construction of roadway improvements will require closure of the road. Professional Engineer is to prepare tentative sequence of construction outline and maintenance of traffic notes in sufficient detail for the proper control of traffic through the project. Items are to be submitted with final review submission.

Maintenance of Pedestrian Traffic: YES \_\_\_\_\_ NO XX

Maintenance of Railroad Traffic: YES \_\_\_\_\_ NO XX

## 20. UTILITIES:

Water (XX) Sanitary (XX)

Electric (XX) Gas (XX)

Telephone (XX) Cable TV (XX)

Pub. Works (XX)

Others: \_\_\_\_\_

Professional Engineer shall contact all Utility Companies and indicate all existing utilities (including house connections) on the plans as required by Section 153.64 O.R.C. (H.B.538). Professional Engineer shall furnish all utilities with a copy of the preliminary plans for preliminary coordination. A copy of the transmittal letters shall be furnished to the County Engineer.

**21. ESTIMATED QUANTITIES:**

Phase A: YES \_\_\_\_\_ NO XX

Phase B: YES XX NO           

Quantity Splits: YES \_\_\_\_\_ NO XX

**22. CONSTRUCTION COST ESTIMATE:**

Submit with Proposal: YES XX NO \_\_\_\_\_  
Phase A: YES \_\_\_\_\_ NO XX  
Phase B: YES \_\_\_\_\_ NO XX

**23. EXTENT OF FIELD SURVEYS:**

Survey Information by: Field Method XX Aerial \_\_\_\_\_

|                                  |        |
|----------------------------------|--------|
| Main Road Alignment              | ( XX ) |
| Main Road Profile                | ( XX ) |
| Side Road Alignment              | ( XX ) |
| Side Road Profile                | ( XX ) |
| Reference Points & Bench Marks   | ( XX ) |
| Aerial Control                   | ( )    |
| Alignment & Profile of Driveways | ( XX ) |
| Cross Sections                   | ( XX ) |
| Pavement Salvage Sections        | ( XX ) |
| Channel Cross Sections           | ( )    |
| Profile of Channel               | ( )    |
| Drainage Survey                  | ( )    |
| Topo Identification              | ( XX ) |
| Utilities                        | ( XX ) |
| Property Lines                   | ( XX ) |
| Existing Right-of-way lines      | ( XX ) |
| Geotechnical Boring Staking      | ( )    |
| Right-of-way Staking             | ( )    |

**24. RIGHT-OF-WAY AND EASEMENTS:**

|                               |        |
|-------------------------------|--------|
| Property Map                  | ( )    |
| Centerline Plat               | ( XX ) |
| R/W Summary                   | ( XX ) |
| Final Right-of-way Plans      | ( XX ) |
| R/W & Easement Descriptions   | ( XX ) |
| Establishment Plat            | ( XX ) |
| Establishment Descriptions    | ( XX ) |
| Right-of-way Staking          | ( XX ) |
| Approximate Number of Parcels |        |

Remarks: Preparation of Right-of-way, easement and Establishment descriptions and plans will be a part of the original agreement and the cost for same should be included in the original proposal.

**25. TRAFFIC DATA:**

State \_\_\_\_\_ County XX Professional Engineer \_\_\_\_\_

Remarks: Traffic Dept. must approve all traffic data prior to use.

26. **GEOTECHNICAL/SUBSURFACE INVESTIGATION:**

State \_\_\_\_\_ County XX Professional Engineer \_\_\_\_\_

Other \_\_\_\_\_

Remarks: Work to be completed as needed. Professional Engineer is to determine and field locate boring locations.

27. **PRIOR STUDIES:** None

28. **PUBLIC HEARINGS/INFORMATIONAL MEETINGS:**

Type of Hearing Required: None

Professional Engineer's Responsibility: \_\_\_\_\_

Exhibits: \_\_\_\_\_

## **ADDITIONAL INFORMATION SHEET**

### **DRY FORK ROAD – DRAINAGE IMPROVEMENTS**

**500030**

- 1) The Professional Engineer will determine the final length of the proposed roadway improvements based upon the proposed realignment of the curve and the required transition lengths.
- 2) The proposed lane widths will be a minimum of twelve (12) feet with curbs or a two (2) foot wide paved berm. As the County will include the resurfacing of Dry Fork Road in this project, the typical pavement section for the proposed widening will be two (2) – four (4) inch courses of Item 301, Bituminous Aggregate Base material.
- 3) The drainage improvements will extend from the low area on the west side of the road, north of the Larry Smith Plumbing property, to an appropriate outlet near the river.
- 4) As noted in the Scope of Service, the preparation of the required right-of-way plans and descriptions and the establishment plat and descriptions is included in the Scope and the costs involved in same is to be included in the original proposal submitted for the project.
- 5) In the preparation of the preliminary plans, the Engineer has completed some fieldwork for this project. The Professional Engineer should contact Mr. Bob Heidkamp (946-4265) to obtain this field information and to determine if said information may be useful in the preparation of the final plans.